

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (currently amended): An information A watermark detecting apparatus comprising:  
an extractor for extracting picture data of I picture including a watermark specific information from a high-speed data stream of an MPEG format; and  
a detector for detecting at low speed the specific information watermark in the picture in the data extracted by said extractor,  
wherein said extractor includes a buffer memory for storing data for more than 1 GOP  
(Group of Pictures) in the high-speed data stream; and  
a low-speed parser for analyzing and outputting the picture data including the watermark  
from the data stored in said buffer memory.
- 2-4. (canceled).
5. (new): A watermark detecting apparatus comprising:  
an extractor for extracting picture data of I picture including a watermark from a high-speed data stream of an MPEG format; and  
a detector for detecting at low speed the watermark in the picture data extracted by said extractor,

wherein said extractor includes a high-speed parser for analyzing and detecting the picture data including the watermark in the high-speed data stream at a high speed; and a buffer memory for storing the picture data including the watermark detected by said high-speed parser from the high-speed data stream.

6. (new): A watermark detecting apparatus, comprising:

an extracting circuit that extracts data including a watermark from a first data stream; and a detecting circuit that detects the watermark from the extracted data.

7. (new): The watermark detecting apparatus of claim 6, wherein the first data stream is a high speed data stream and the detecting circuit detects the watermark to produce a second data stream having a speed lower than the speed of the high speed data stream.

8. (new): The watermark detecting apparatus of claim 7, wherein the high speed data stream comprises MPEG data.

9. (new): The watermark detecting apparatus of claim 6, wherein the detecting circuit inputs decoding data from a random number generator circuit and detects the watermark based on the decoding data.

10. (new): The watermark detecting apparatus of claim 6, wherein the data comprises MPEG data.

11. (new): The watermark detecting apparatus of claim 10, wherein the watermark is included in I picture data of the MPEG data.